

# Nutter



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February 27, 2002

Assistant Commissioner for Patents  
Washington, D.C. 20231

Re: U.S. Patent Application No. 09/996,630  
**EXPRESSION ANALYSIS OF KIAA NUCLEIC ACIDS AND POLYPEPTIDES USEFUL  
IN THE DIAGNOSIS AND TREATMENT OF PROSTATE CANCER**  
Applicant: Kimberly A. Gillis, Ph.D., et al  
Docket No: 102729-10

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO-1449, Fifty-two (52) references cited therein;
3. Return postcard.

Please charge any additional fee to our Deposit Account No. 141449.

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Jasbir Sagoo, Registration No. P-51177

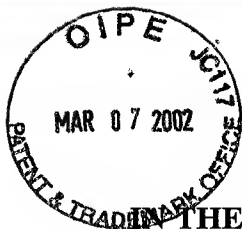
Respectfully submitted,

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1081881.1

Nutter McClennen & Fish LLP ■ Attorneys at Law

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kimberly A. Gillis, Ph.D., et al.  
Application No. : 09/996,630  
Filed : November 28, 2001  
Entitled : EXPRESSION ANALYSIS OF KIAA  
NUCLEIC ACIDS AND  
POLYPEPTIDES USEFUL IN THE  
DIAGNOSIS AND TREATMENT OF  
PROSTATE CANCER  
Docket No. : 102729-10

Group Art Unit: 1619

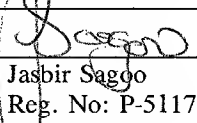
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Date of Signature and Mail Deposit	Jasbir Saggo Reg. No: P-51177

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Applicant hereby cites for the record in this application the enclosed documents listed on the attached copy of PTO Form 1449. The enclosed Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. Accordingly, Applicant believes that no fee or certification is required.

The Assistant Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 141449.

Respectfully submitted,

NUTTER, MCCLENNEN & FISH, LLP

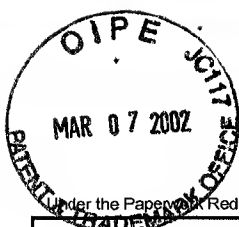
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Approved for use through 10/31/2002. OMB 0651-0037  
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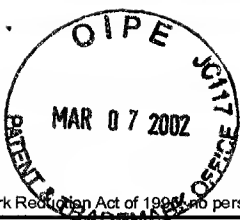
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	09/996,630		
		Filing Date	November 28, 2001		
		First Named Inventor	Kimberly A. Gillis, Ph.D., et al.		
		Art Unit	1619		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	3	Attorney Docket Number	102729-10

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	5,030,559	07-09-1991	Nicolson et al.	
	AB	5,118,611	06-02-1992	Smith et al.	
	AC	5,629,007	05-13-1997	Audia et al.	
	AD	5,635,197	06-03-1997	Audia et al.	
	AE	5,674,682	10-07-1997	Croce et al.	
	AF	5,688,658	11-18-1997	Diamandis	
	AG	5,723,302	03-03-1998	Diamandis	
	AH	5,763,202	06-09-1998	Horoszewicz	
	AI	5,843,994	12-01-1998	Samid	
	AJ	5,854,206	12-29-1998	Twardzik et al.	
	AK	5,856,112	01-05-1999	Marley et al.	
	AL	5,861,248	01-19-1999	Russell et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BA	WO 97/08318	03-06-1997	Corixa Corporation	
	BB	WO 97/33909	09-18-1997	Corixa Corporation	
	BC	WO 98/37093	08-27-1998	Corixa Corporation	
	BD	WO 98/37418	08-27-1998	Corixa Corporation	
	BE	WO 99/18210	04-15-1999	Corixa Corporation	
	BF	WO 99/37811	07-29-1999	UROCOR, Inc.	
	BG	WO 00/04149	01-27-2000	Corixa Corporation	
	BH	WO 00/14234	03-16-2000	UROCOR, Inc.	
	BI	WO 00/18961	04-06-2000	Millennium Pharmaceuticals, Inc.	
	BJ	EP 0 648 126 B1	02-02-2000	Procyon Biopharma, Inc.	
	BK	EP 0 698 215 B1	07-15-1998	Nordion International, Inc.	
	BL	EP 0 974 652 A1	01-26-2000	Banyu Pharmaceutical Co., Ltd.	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Cleutjens, et al., "Two Androgen Response Regions Cooperate in Steroid Hormone Regulated Activity of the Prostate-specific Antigen Promoter," <i>The Journal of Biological Chemistry</i> , Vol. 271, No. 11, March 15, 1996, pp 6379-6388	
	CB	Henttu, et al., "Androgens Up-Regulate the Human Prostate-Specific Antigen Messenger Ribonucleic Acid (mRNA), but Down-Regulate the Prostatic Acid Phosphatase mRNA in the LNCaP Cell Line," <i>Endocrinology</i> , Vol. 130, No. 2, 1992, pp 772	
	CC	Horoszewicz, et al., "LNCaP Model of Human Prostatic Carcinoma <sup>1</sup> ," <i>Cancer Research</i> , Vol 43, April 1983, pp 1809-1818	



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

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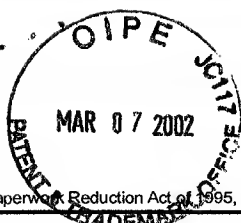
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Group Art Unit	1619
Examiner Name	Not Yet Assigned
Attorney Docket Number	102729-10

### U.S. PATENT DOCUMENTS

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		Number-Kind Code <sup>2</sup> (if known)			
	AM	5,882,864	03-16-1999	An et al.	
	AN	5,939,258	08-17-1999	Croce et al.	
	AO	5,945,522	08-31-1999	Cohen et al.	
	AP	5,972,615	10-26-1999	An et al.	
	AQ	5,976,794	11-02-1999	Katz et al.	
	AR	5,976,838	11-02-1999	Jacobs et al.	
	AS	6,025,137	02-15-2000	Shyjan	
	AT	6,028,174	02-22-2000	Ullrich et al.	
	AU	6,034,218	03-07-2000	Reed et al.	
	AV	6,051,230	04-18-2000	Thorpe et al.	
	AW	6,054,265	04-25-2000	Barney, et al.	
	AX	6,252,058 B1	06-26-2001	Thompson	
	AY	6,261,535 B1	07-17-2001	Thorpe et al.	
	AZ	6,261,766 B1	07-17-2001	Diamandis	
	AAA	6,319,891 B1	11-20-2001	Sontheimer et al.	

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CD	Kokontis, et al., "Increased Androgen Receptor Activity and Altered c-myc Expression in Prostate Cancer Cells after Long-Term Androgen Deprivation <sup>1</sup> ," <i>Cancer Research</i> , Vol. 54, March 15, 1992, pp 1566-1573	
	CE	Murtha, et al., "Androgen Induction of a Human Prostate-Specific Kallikrein, hKLK2: Characterization of an Androgen Response Element in the 5' Promoter Region of the Gene <sup>†</sup> ," <i>Biochemistry</i> , Vol. 32, 1993, pp 6459-6464	
	CF	Nagase, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. III. The Coding Sequences of 40 New Genes (KIAA0081-KIAA0120) Deduced by Analysis of cDNA Clones from Human Cell Line KG-1," <i>DNA Research</i> , Vol. 2, 1995, pp 37-43, Supplement, pp 51-59	
	CG	Nomura et al., "Prediction of the Coding Sequences of Unidentified Human Genes. I. The Coding Sequences of 40 New Genes (KIAA0001-KIAA0040) Deduced by Analysis of Randomly Sampled cDNA Clones from Human Immature Myeloid Cell Line KG-1," <i>DNA Research</i> , Vol. 1, 1994, pp 27-35 <i>Virology</i> , Vol. 71, No. 9, September 1997, pp 6973-6981.	
	CH	Nomura et al., "Prediction of the Coding Sequences of Unidentified Human Genes. II. The Coding Sequences of 40 New Genes (KIAA0041-KIAA0080) Deduced by Analysis of cDNA Clones from Human Cell Line KG-1," <i>DNA Research</i> , Vol. 1, 1994, pp 223-229	
	CI	Schuermans, et al., "Regulation Of Growth Of LNCaP Human Prostate Tumor Cells By Growth Factors And Steroid Hormones," <i>J. Steroid Biochem. Molec. Biol.</i> , Vol. 40, No. 1-3, 1991, pp 193-197	
	CJ	Swinnen, et al., "Androgen regulation of the messenger RNA encoding diazepam-binding inhibitor/acyl-CoA-binding protein in the human prostatic adenocarcinoma cell line LNCaP," <i>Molecular and Cellular Endocrinology</i> , Vol. 104, 1994, pp 153-162	
	CK	Swinnen, et al., "Androgens Markedly Stimulate the Accumulation of Neutral Lipids in the Human Prostatic Adenocarcinoma Cell Line LNCaP," <i>Endocrinology</i> , Vol. 137, No. 10, 1996, pp 4468-4474	



PTO/SB/08B (10-01)

Approved for use through 10/31/2002.OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		<b>Application Number</b>	09/996,630		
		<b>Filing Date</b>	November 28, 2001		
		<b>First Named Inventor</b>	Kimberly A. Gillis, Ph.D., et al.		
		<b>Group Art Unit</b>	1619		
		<b>Examiner Name</b>	Not Yet Assigned		
<b>Sheet</b>	3	<b>of</b>	3	<b>Attorney Docket Number</b>	102729-10

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>		
<b>Examiner Initials<sup>1</sup></b>	<b>Cite No.<sup>1</sup></b>	<b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.</b>
	CL	Tamayo, <i>et al.</i> , "Interpreting patterns of gene expression with self-organizing maps: Methods and application to hematopoietic differentiation," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 96, March 1999, pp 2907-2912
	CM	Ulrix <i>et al.</i> , "Androgens Down-Regulate the Expression of the Human Homologue of Paternally Expressed Gene-3 in the Prostatic Adenocarcinoma Cell Line LNCaP," <i>Molecular and Cellular Endocrinology</i> , Vol. 155, 1999, pp 69-76

<b>Examiner Signature</b>		<b>Date Considered</b>	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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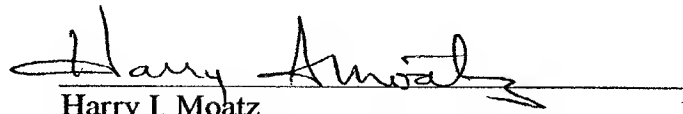
1C955 U.S. PTO  
09/996630  
11/28/01

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Gavin Bogle is hereby given limited recognition under 37 CFR §10.9(b) as an employee of Wyeth-Ayerst, to prepare and prosecute patent applications wherein the assignee of record of the entire interest is American Home Products Corporation, Wyeth-Ayerst Laboratories, Wyeth-Ayerst International, Inc., Wyeth-Ayerst Research, or Genetics Institute. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Gavin Bogle ceases to lawfully reside in the United States, (ii) Gavin Bogle's employment with Wyeth-Ayerst ceases or is terminated, or (iii) Gavin Bogle ceases to remain or reside in the United States on a TN visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: July 8, 2002**

  
Harry I. Moatz  
Director of Enrollment and Discipline